

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A data packet stored on a computer readable medium, for transmitting data over a network to selected multiple remote destinations, the network comprising switches and routers, the data packet comprising:

a header section, wherein the header section includes a list of network addresses for the selected multiple remote destinations; and

a data section, wherein the data section comprises computer readable data to be transmitted to the selected multiple remote destinations,

wherein the switches and routers receive a first data packet and copy the first data packet into one or more second data packets, wherein the copying the first data packet includes zeroing out each address in the list of network address for the selected multiple remote destinations that is not directly accessible beyond the network switch or router receiving a data packet.

2. (original): The data packet of claim 1 wherein the data packets comprise internetworking protocol (IP) data packets.

3. (original): The data packet of claim 1 wherein the header section includes a specially formatted IP options field.

4. (original): The data packet of claim 3 wherein the IP options field comprises:

a code byte signifying that the data packet is a DAMP data packet;

a length byte specifying the length of the IP options field; and

a number of multi-byte IP addresses, one for each of the selected multiple remote destinations.

5. (currently amended): A method for developing a data packet for transmission to selected multiple remote destinations over a network infrastructure, the network infrastructure comprising switches and routers, the method comprising:

a DAMP sending client embedding in a header section of a first data packet a formatted IP options field, wherein the IP options field includes identification of the data packet as a DAMP data packet;

setting a source IP address field to the IP address of the DAMP sending client;

instructing the switches or routers receiving the data packets to copy the data packets into second data packets, wherein the copying the data packets includes zeroing out each address in a list of selected multiple remote destinations that is not directly accessible beyond the network switch or router receiving a data packet; and

setting a destination IP address field to the non-zero IP address of one of the selected multiple remote destinations.

6. (original): The method of claim 5, wherein the embedding step further comprises formatting the IP options field to include:

a code byte signifying that the data packet is a DAMP data packet;

a length byte specifying the length of the IP options field; and

a number of multi-byte IP addresses, one for each of the selected multiple remote destinations.

7. (currently amended): A computer readable medium on which is embedded a program which is operable to execute a method for developing a data packet for transmission to selected multiple remote destinations over a network infrastructure, the network infrastructure comprising switches and routers, the method comprising:

a DAMP sending client embedding in a header section of a first data packet a formatted IP options field, wherein the IP options field includes identification of the data packet as a DAMP data packet;

setting a source IP address field to the IP address of the DAMP sending client;

instructing the switches or routers receiving the data packets to copy the data packets into second data packets, wherein the copying the data packets includes zeroing out each address in a list of selected multiple remote destinations that is not directly accessible beyond the network switch or router receiving a data packet; and

setting a destination IP address field to the non-zero IP address of one of the selected multiple remote destinations.

8. (currently amended): The computer readable medium of claim 79, wherein the embedding step further comprises formatting the IP options field to include:

- a code byte signifying that the data packet is a DAMP data packet;
- a length byte specifying the length of the IP options field; and
- a number of multi-byte IP addresses, one for each of the selected multiple remote destinations.